DRACHINSKIY, S.V. [Drachyns'kyi, S.V.], inzh.

Planing irrigated lands before sowing. Mekh. sil'. hosp. 14 no.11:5 N'63. (MIRA 17:2)

L 24470-66 EWT(m)/EWP(w)/T/EWP(t) IJP(c) JD/JG/GS
ACC NR: AT6010573 (N) SOURCE CODE: UR/0000/65/000/000/0042/0053

AUTHOR: Drachinskiy, A. S.; Trefilov, V. I.

ORG: Institute of Physics of Metals, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Transition from intercrystalline to transcrystalline fracture in molybdenum

SOURCE: AN UkrSSR. Mekhanizm plasticheskoy deformatsii metallov (Mechanism of the plastic deformation of metals). Kiev, Naukova dumka, 1965, 42-53

TOPIC TAGS: molybdenum, material deformation, material fracture, grain size, phase transition

ABSTRACT: The transition from intercrystalline to transcrystalline fracture is studied in molybdenum specimens produced by electron-beam melting with subsequent extrusion and forging. Tensile tests were done at room temperature at a deformation rate of $1.3 \cdot 10^{-2}$/cm. An oscillograph was used for recording the tensile diagrams and the state of the fracture surface was studied under an optical microscope. A graph is given showing the true breaking stress as a function of grain size. The curve shows a sharp departure from the linear relationship $\sigma_B = f(d^{-1/2})$ at $d^{-1/2} < 3$ $мм^{-1/2}$. A transition to brittle fracture is observed at the same time on the tensile

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ACC NR: AT6010573

diagrams. Microstructural analysis also shows a change in the nature of the fracture. A transition is observed in the region $d^{-1/2} \approx 3\ \mu M^{-1/2}$ from transcrystalline fracture (at $d^{-1/2} > 3\ \mu M^{-1/2}$) to mixed, and finally (at $d^{-1/2} \approx 3 \div 1{,}2\ \mu M^{-1/2}$) to fracture along grain boundaries. The experimental results indicate that considerable plastic deformation precedes fracture. It is shown that the transition to intergranular fracture is not due entirely to precipitation of brittle phases along the grain boundaries as is the case in the fracture of multicomponent alloys. Some of the experimental data may be explained on the basis of the Zener mechanism of intergranular fracture. According to this model, conditions for development of slippage along grain boundaries become increasingly worse with reduction in grain size. At the same time, accommodation conditions improve so that fracture along grain boundaries finally disappears. Models proposed by D. A. Robins and R. C. Gifkins are also considered. A choice between the various mechanisms studied is impossible on the basis of the available experimental material. Further research in this direction is needed. Orig. art. has: 8 figures.

SUB CODE: 11,20/ SUBM DATE: 14Nov64/ ORIG REF: 009/ OTH REF: 021

Card 2/2 dda

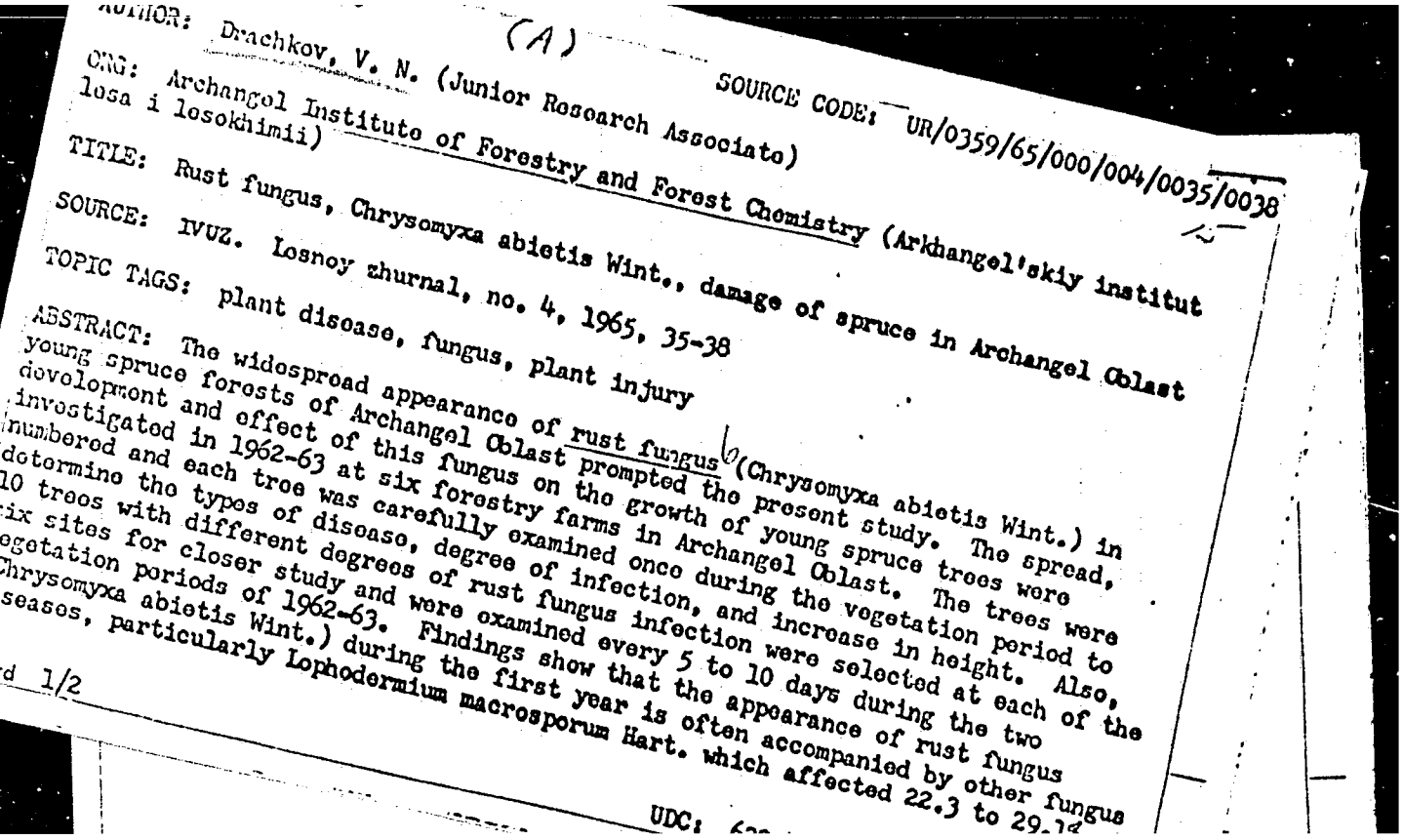
DRACHINSKIY, V.

Innovators of a cold storage warehouse. Sov. torg. 34 no.9: 42-43 S '61. (MIRA 14:9)

1. Glavnyy inzhener Minskogo kholodil'nika No.2, Minsk.
(Minsk--Cold storage warehouses--Equipment and supplies)

DRACHINSKY, A.S.; TREFILOV, V.I.

Conditions of metal fracture. Sbor. nauch. rab. Inst. metallofiz. AN URSR No.18:22-25 '64 (MIRA 17:8)



AUTHOR: Drachkov, V. N. (Junior Research Associate) (A) SOURCE CODE: UR/0359/65/000/004/0035/0038

ORG: Archangel Institute of Forestry and Forest Chemistry (Arkhangel'skiy institut lesa i lesokhimii)

TITLE: Rust fungus, Chrysomyxa abietis Wint., damage of spruce in Archangel Oblast

SOURCE: IVUZ. Lesnoy zhurnal, no. 4, 1965, 35-38

TOPIC TAGS: plant disease, fungus, plant injury

ABSTRACT: The widespread appearance of rust fungus (Chrysomyxa abietis Wint.) in young spruce forests of Archangel Oblast prompted the present study. The spread, development and effect of this fungus on the growth of young spruce trees were investigated in 1962-63 at six forestry farms in Archangel Oblast. The trees were numbered and each tree was carefully examined once during the vegetation period to determine the types of disease, degree of infection, and increase in height. Also, 10 trees with different degrees of rust fungus infection were selected at each of the six sites for closer study and were examined every 5 to 10 days during the two vegetation periods of 1962-63. Findings show that the appearance of rust fungus Chrysomyxa abietis Wint.) during the first year is often accompanied by other fungus seases, particularly Lophodermium macrosporum Hart. which affected 22.3 to 29.1%

Card 1/2

UDC:

DRACHKOVSKA, E.

"Survey of the microflora of beet tubers; a preliminary report."
Sbornik. Annals. Rada B., Praha, Vol 27, No 1, Feb 1954, p. 51

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

MAN'KOVSKIY, M.B. [Man'kovs'kyi, M.B.]; DRACHOVA, Z.N.; LARINA, M.B.

Pathology of the nervous system in antirabies innoculations of children. Ped., akush. i gin. 23 no.5:25-28 '61. (MIRA 14:12)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. B.M.Man'kovskiy) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akademika Bogomol'tsa (rektor - dotsent V.D.Bratus').
(RABIES--PREVENTIVE INNOCULATION)
(NERVOUS SYSTEM)

DRAGHOVSKAYA, Miloslava

CZECHOSLOVAKIA / Microbiology. General Microbiology. F-1

Abs Jour : Ref Zhur - Biol., No 2, 1958, No 5186

Author : Drakhovskaya, Shandera

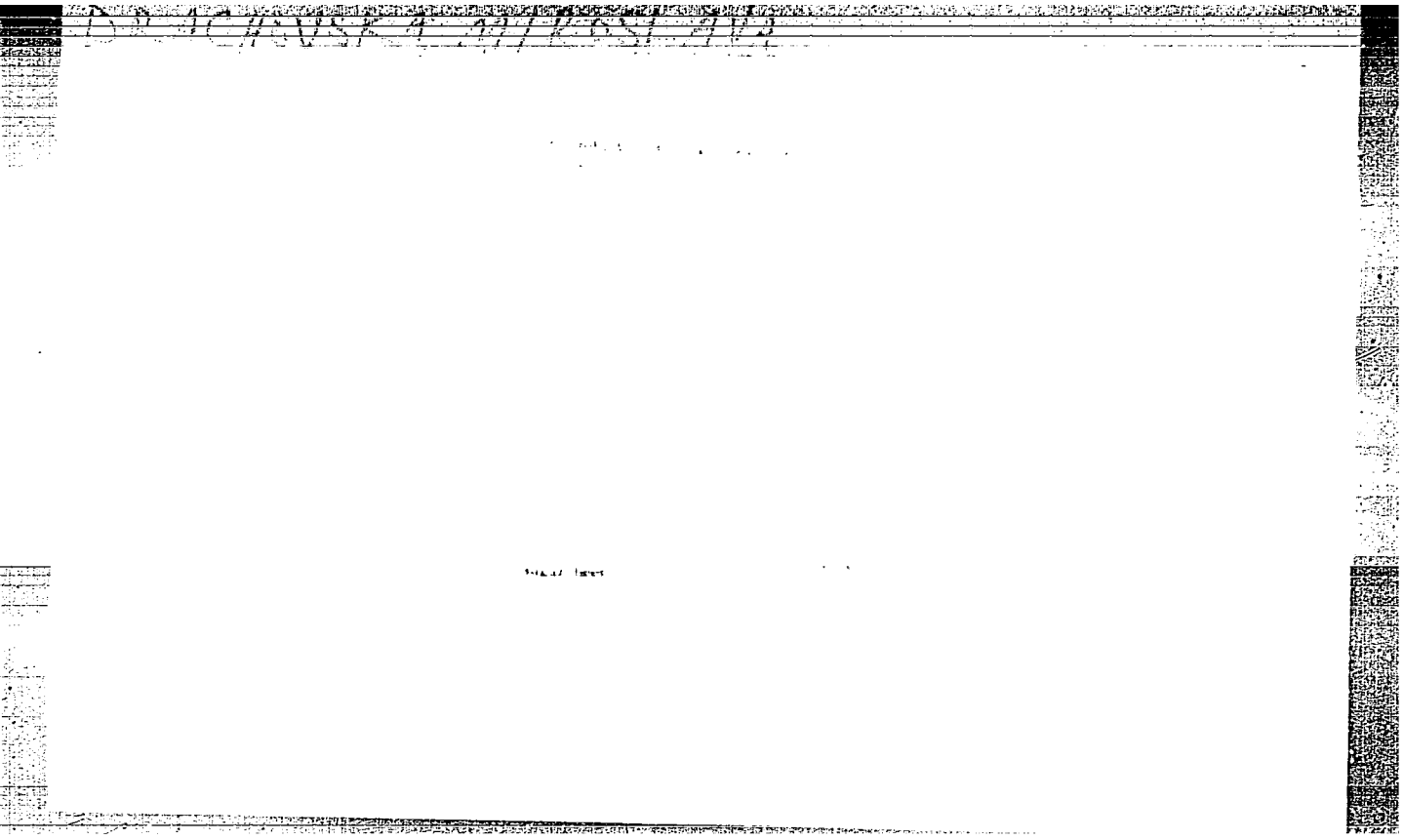
Inst : Not given

Title : Conductometric Characteristics of Yeast Suspension

Orig Pub : Ceskosl. biol., 1955, 4, No 9, 542-549

Abstract : $HgCl_2$, $Hg(NO_3)_2$ and ethyl acetate produce a very negligible effect on electroconductivity of yeast cells in suspension; but chloroform has a positive effect even in a concentration of 0.622%. Its effect develops slowly over a period of 3-5 hours. A strong effect on electroconductivity is exerted by $AgNO_3$, HgI_2, AgSCN. Both chloroform and $AgNO_3$ have a cumulative effect.

Card : 1/1 Katedra biol. med. a katedra glycidu Vysoke skoly chemicke technol. Praha



DRACHOVSKA, M.

Czechoslovakia/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Refinement, I-26

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63490

Author: Drachovska, M., Sandera, K.

Institution: None

Title: Leaching of Sugar from Sugar Beets

Original Periodical: Vyluhovani cukru z cukrovky. Listy cukrovarn., 1955, 71, No 7, 166-169; Czech; Russian and German resumés

Abstract: A study was made under laboratory conditions of the effects of various factors (thickness and shape of slices, addition of chloroform, formalin, toluene, etc) of the leaching in the cold of sugar from the slices. It was found that in the cold 3-5 times more sugar is leached out of the slices than would correspond to a single-cell layer of slices. By staining of live and dead tissues of slices and conductometric investigations of the leaching process it is possible to determine morphological changes (differences) in tissues which must be

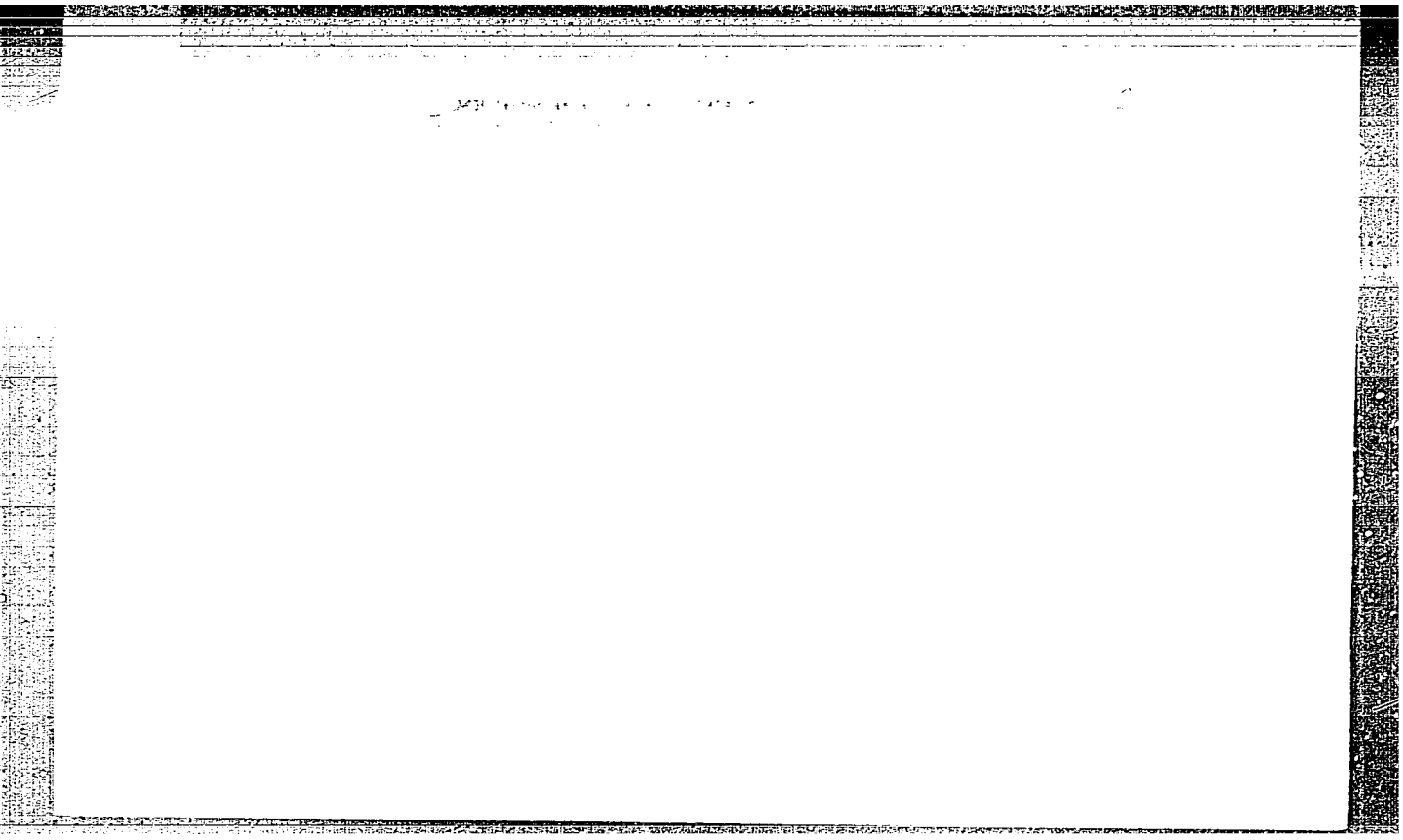
Card 1/2

Czechoslovakia/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Refinement, I-26

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63490

Abstract: taken in account on working out the optimal conditions of recovery of sugar from the beets. Losses of sugar in transfer and wash water vary from 0.06 to 0.23% of the weight of the beets, depending on their condition during treatment, and with frozen beets the losses can be higher by several times.

Card 2/2



DRACHOVSKA, M.

CZECHOSLOVAKIA / General Division, Congresses, Conventions, Conferences A-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 109

Author : Drachovska, M.

Inst : Not Given

Title : Report of the Session of the International Beet Institute in Belgium in 1956

Orig Pub : Listy cukrovarn., 1956, 72, No 4, 91

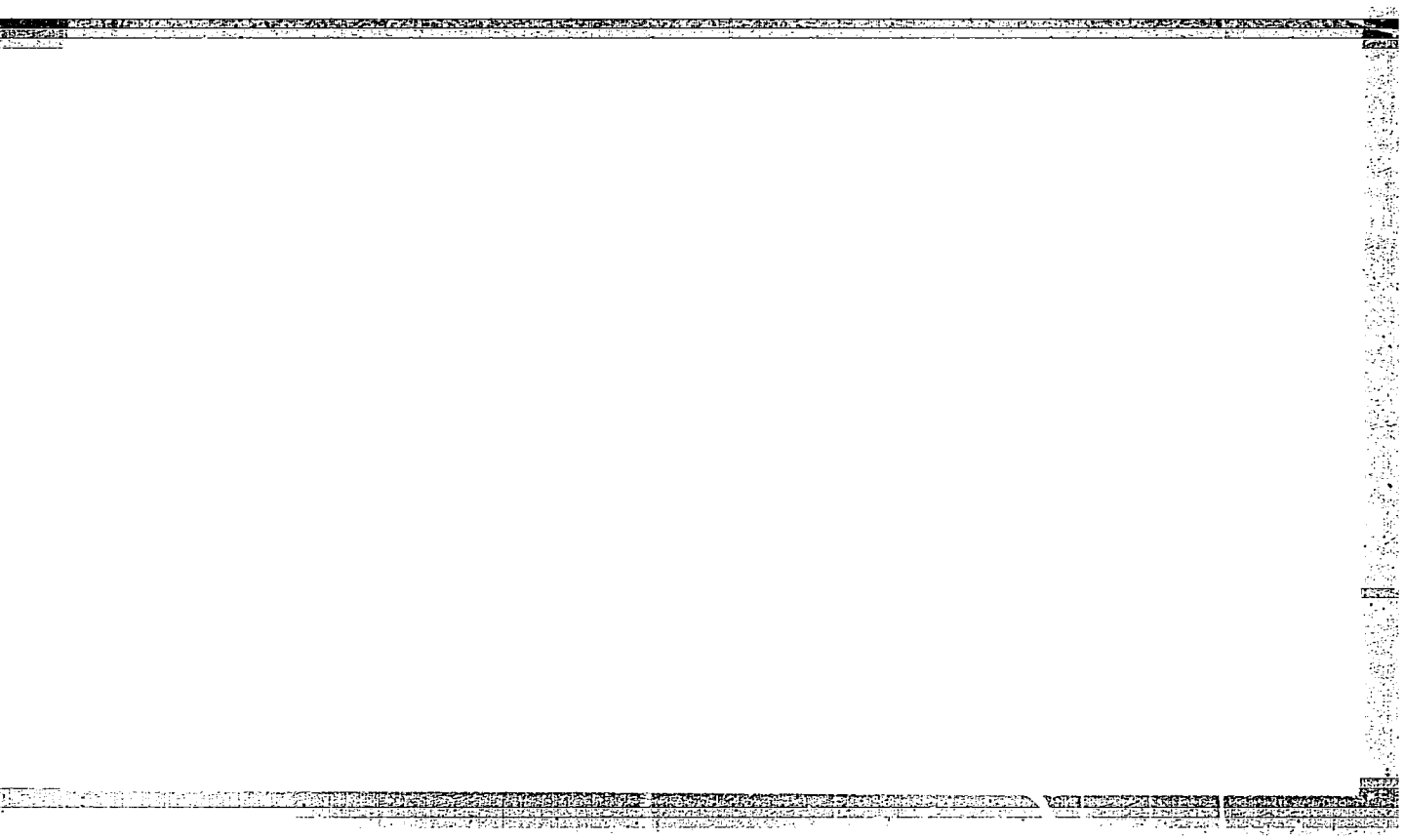
Abstract : On February 27-29, 1956, the yearly conference of the institute took place in Brussels. Reports were heard which concerned the study of "tsepkosterioz", the use of mineral fertilizers on sugar beets, the physiology of sugar beets, the preparation of soils for planting, the methods of testing beet seeds, care during vegetation, the technological qualities of beets, the industrial suitability of beets in connection with use of mineral fertilizers, and others.

Card : 1/1

DRACHOVSKA, M.

Report on vegetable raw materials in the food industry at the conference in Warsaw, December 14-17, 1955. p. 188. (PRUMYSL POTRAVIN, Vol. 7, No. 4, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.



DRAC[illegible]VSKA, M.

Evaluation of the occurance of pests and diseases during the years 1953, 1954, and 1955,

p. 15 (Listy Cukrovarnicke. Vol 6, no. 22-23, Nov.-Dec. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

DRACHOVSKA, M.

Pests and diseases of sugar beets. p. 202. (Mechanisace Zemedelstvi, Vol. 7, No. 9, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

DRAKHOVSKA, M.; MIRCHEV, M.; SHANDERA, K.

Seventieth birthday of Pavel Mikhailovich Silin. Sakh. prom. 31 no.5:14-15 My '57. (MIRA 10:6)
(Silin, Pavel Mikhailovich, 1887-)

DRACHOVSKA M.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application - Carbohydrates and refinement J-12

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 6128

Author : Drachovska Miroslava, Sandera Karel

Inst : Not given

Title : Morphology of Sugar Beets, Quality of Chips and Diffusion

Orig Pub : Listy cukrovarn., 1957, 73, No 4, 79-84

Abstract : Conductometric diffusion curves obtained with beet slices cut perpendicularly to the axis of the root show a 25% higher rate of the process than with slices cut parallel to the axis. In the case of feed beets this difference amounted to 10%. Identical investigations were carried out with slices of frozen beets, and with slices of different shape and length. The results are

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application - Carbohydrates and refinement J-12

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 6128

Abstract : shown by conductometric curves. The diffusion curves obtained by this method can serve to characterize the beets and the operation of cutters.

Card 2/2

P-5

Country : Czechoslovakia
CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 87706

AUTHOR : Drachovska, M.; Dlabola, J.; Kocmid, V.
INST. :
TITLE : The Outbreak of Gamma Cutworm Moth -- Plusia (Phytometra) gamma L. -- in 1953-1956 and Preliminary Considerations Concerning Its
ORIG. PUB. : Listy cukrovarn., 1957, 73, No 9, 193-198

ABSTRACT : Conditions and progress course of the outbreak and also a brief description of development stages of the gamma-moth; recommendations concerning its control. The prognosis of outbreak dynamics should be based upon the following data: 1) conditions of the last outbreak; 2) fertility of females; 3) numerical strength of the pest; 4) overwintering stage; 5) mortality of the pest due to pathogenic microorganisms and attacks of natural enemies; 6) abundance of weeds; 7) duration of individual stages of development. Favorable conditions: abundance of flowering weeds; a long and warm summer; late emergence of overwintering springtime generation, as a result of which the development of caterpillars takes place during warm weather;

CARD: 1/2

DRACHOVSKA, M.; VOLAC, G.

Losses in sugar-beet growing caused by damaging factors during the years 1953-1956. (1st supplement).

P. 1. (LISTY CUKROVARNICKE.) (Praha, Czechoslovakia) Vol. 73, No. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

COUNTRY : Czechoslovakia
CATEGORY :

H-28

ABS. JOUR. : RZKhim., No. 51960, No.

19816

AUTHOR : Drachovska, M. and Sandera, K.
INST. : Prague Chemical Engineering College
TITLE : The Application of Methods for Measuring the Electric Conductivity of Membranes in the Food Industry
ORIG. PUB. : Sb Vysoke Skoly Chem-Tech Praze, Odd Fak Potravin Technol, 2, 325-368 (1958)
ABSTRACT : The electric conductivity of various membranes is discussed as a function of their thickness, composition, and chemical properties, as well as of the concentration and composition of the solutions; methods used in the determination of electric conductivities are indicated. The authors demonstrate the feasibility of the utilization of electric conductivity curves in the evaluation of the degree of freshness of fruits and vegetables, the control of beet sugar production (yeasts, erythro-

CARD: 1/2

COUNTRY : Czechoslovakia H-28
CATEGORY :

ABS. JOUR. : RZKhim., No. 5 1960, No. 19816

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : cytes), the determination of the activity of fungicides, the diagnosis of plant diseases, and in the determination of the amount of fermentable sugars in the presence of unfermentable sugars. Membranes of polyamides, polyethylene, polyvinyl chloride, cellophane, collodion, and rubber can be used in carrying out various technologic processes in the food industry and in their control. Electric conductivity measurements may be used as a method for evaluating the quality of packing materials.

CARD: 2/2 370 From authors' summary

0

COUNTRY : Czechoslovakia
CATEGORY : Plant Diseases. Diseases of Cultivated Plants.

ABS. JOUR. : REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15929

AUTHOR : Drachovska, M.
INST. :
TITLE : New Viral Disease of Sugar Beets in a Neighboring Country (Poland).

ORIG. PUB. : Za vysokou urodu, 1958, 6, No.8, 184

ABSTRACT : In the Polish district next to Czechoslovakia there was observed a new viral disease of sugar beets - curling of the leaves - which caused a 45 - 75% reduction in the harvest. The disease was spread by the suctorial insects of Piesma quadrata. The virus causing the curliness is harbored in the body of the insect for the entire winter. The disease is very energetically spread in the spring when the insects, e-

CARD: 1/2

CZECHOSLOVAKIA / Chemical Technology. Pesticides. H-18

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78843.

Author : Drachovska, M.
Inst : Not given.
Title : The Testing of Preparations Against Aphids, Spider Mites and Mangold Flies.

Orig Pub: Listy oukrovarn., 1958, 74, No 2, 25-29.

Abstract: Spraying with organic phosphorous compounds (sistox and others) was found to be tne best agent against all the pests of the sugar beet.

Card 1/1

DRACHOVSKA, MIROSLAVA

CZECHOSLOVAKIA/Carbohydrates and Their Reprocessing. H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65732

Author : Drachovska Miroslava, Sandera Karel

Inst :
Title : Decrease of Weight of Sugar Beets During Storage.

Orig Pub : Listy cukrovarn., 1958, 74, No 2, 29-35.

Abstract : According to various foreign data, losses of beets during storage in normal conditions can be assumed to be ~ 0.03% in 24 hours. Experiments conducted showed the following daily losses of weight in %: of separate roots 1.5-0.2, in small clusters 0.1-0.07, in clusters to 1 to 0.1-1.5 and > 3 t 0.02-0.04. Experiments for a series of years confirmed that losses also depend on the condition of the roots, size of roots and container, methods of housing and of preservation and of temperature conditions; relevant information is cited.

Card 1/2

DRACHOVSKA, M.

TECHNOLOGY

Periodical: LISTY CUKROVANICKE. Vol. 74, no. 7, July 1958

DRACHOVSKA, M. Suggestions relative to forcasting the occurrences of sugar-beet nematodas. p. 164

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 unclass.

DRACHOVSKA, M.

TECHNOLOGY

periodicals: LISTY CUKROVARNICKE Vol. 74, no. 12, Dec. 1958

DRACHOVSKA, M. Occurence of the beet lear miner during the years 1956-1958. p. 265.

Monthly List of East European Accession (EEAI) LC Vol. 8, no. 5 May 1959, Unclass.

DRACHOVSKA, M.

"Report on foreign experiments concerning the struggle against sugar-beet viroses by destroying their transmitters."

LISTY CUKROVARNICKE, Praha, Czechoslovakia, Vol. 75, No. 1, January 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 75, No. 9, September 1959.

Unclassified.

DRACHOVSKA, M.

"Experiments on the treatment of sugar-beet seed by systemic preparations."

LISTY CUKROVARNICKE, Praha, Czechoslovakia, Vol. 75, No. 1, January 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Unclassified.

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Chemical Technology. Chemical Products and Their Uses. Part 3. Carbohydrates and Their*
ABS. JOUR. : RZKhim., No. 1 1960, No. 2612

AUTHOR : Drachovska, M.
INST. : -
TITLE : Experiments in the Use of Maleic Acid Hydrazide in 1956-1957 for Retardation of Sugar Beet

ORIG. PUB. : Listy cukrovarn., 1959, 75, No 3, 49-54

ABSTRACT : Sugar beet was sprinkled one week or one month before harvesting. The sprinkled beet was more affected by Cercospora; in retravegetation caused by autumnal humidity it did not produce new foliage, as a result of which the saccharinity of the beet was slightly higher; when stored, it lost 0.03% of weight and 0.01% of

*Processing

CARD: 1/2

H-128

DRACHOVSKA, M.

"International cooperation concerning the protection of gathered sugar beets."

LISTY CUKROVARNICKE, Praha, Czechoslovakia, Vol. 75, No. 4, April 1959.

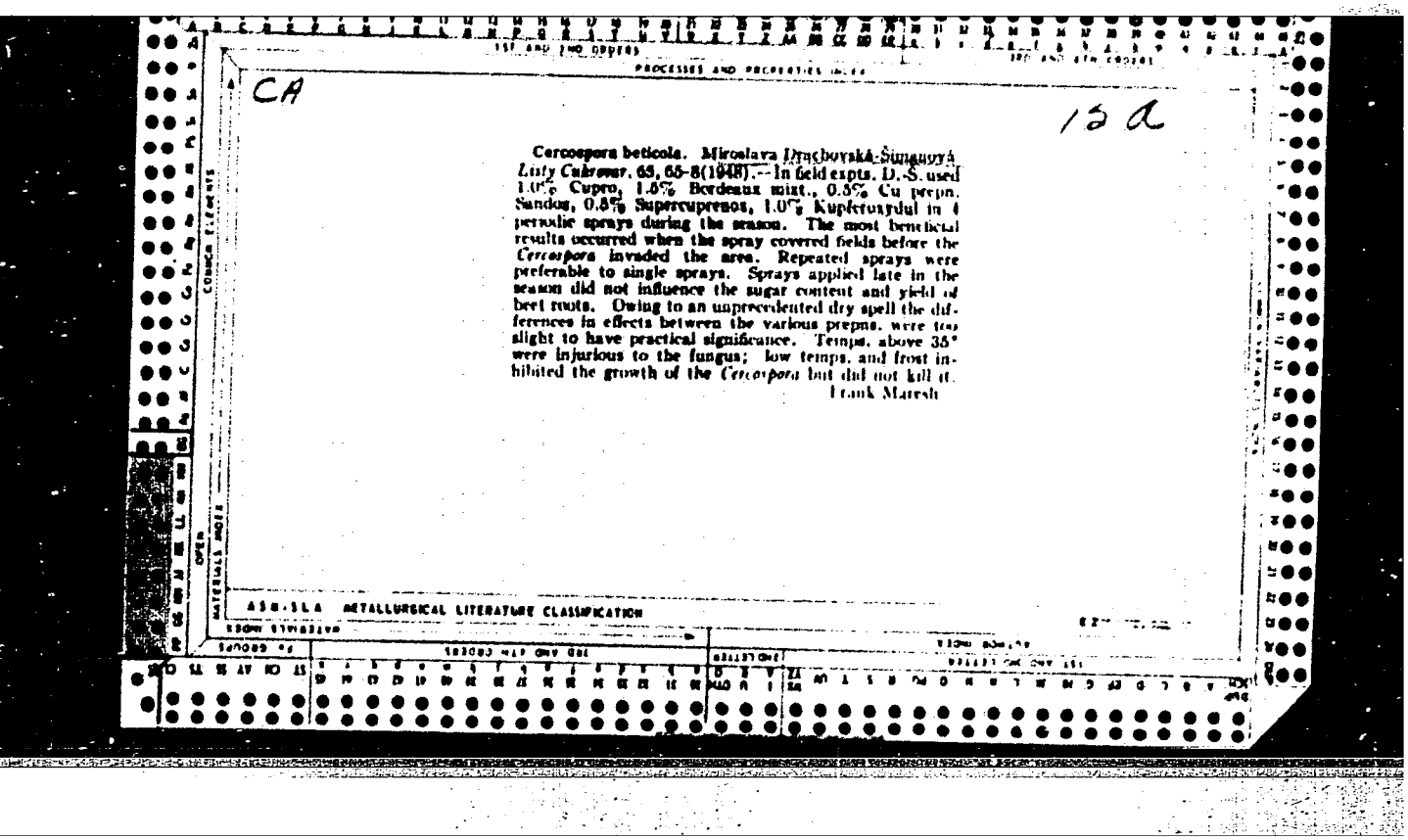
Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

CA

Parasites and diseases of sugar beets in 1947 M. Drachovská, V. Kulmál, and I. Batíková. *Listy Cukrovar.* 64, 249-51(1948).—Owing to a warm and dry season the parasites attacked the beets early in the season and disappeared in June. $BaCl_2$ sprays were effective against Curculionidae, but DDT-Gesarol sprays were not effective; powd. Gesarol was better than aq. sprays but could not compare in effect to $BaCl_2$. Trials with $C_6H_6Cl_6$ are highly promising. For Halticae Gesarol was effective. Owing to the scarcity of nicotine, a spray of aq. or powd. Gesarol was used effectively against *Aphis fabae*. The highly resistant *Opatrum sabulosum* also resisted all of the Swiss hexaproducts (Gammexane). Although the appearance of Cercospora seemed suppressed by the summer heat, it was controlled by any of the Cu prepns. applied when spots appeared on the leaves. Beet heart rot was prevented by using fertilizers rich in B or by applying 15-20 kg. of borax per ha. of soil. F. Maresh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

12 a

Cercospora beticola. Miroslava Dvořovská-Šimanová. *Listy Cukrovar.* 65, 65-8(1948).--In field expts. D.-S. used 1.0% Cupro, 1.5% Bordeaux mixt., 0.5% Cu prepn. Sandoz, 0.5% Supercuprenos, 1.0% Kupfertuxydul in 4 periodic sprays during the season. The most beneficial results occurred when the spray covered fields before the *Cercospora* invaded the area. Repeated sprays were preferable to single sprays. Sprays applied late in the season did not influence the sugar content and yield of beet roots. Owing to an unprecedented dry spell the differences in effects between the various prepns. were too slight to have practical significance. Temps. above 35° were injurious to the fungus; low temps. and frost inhibited the growth of the *Cercospora* but did not kill it.
Frank Marsh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

DRACHOVSKÁ ŠIMANOVÁ (MIROSLAVA). **Cercosporiosa—nejrozšířenější choroba Cukrovky.** [Cercosporiosis—the most widespread Beet disease.] *Úkr. Rost.*, 22, 3-4, pp. 105-120, 6 figs., 1949. [French summary.]

Beet leaf spot (*Cercospora beticola*) [*R.A.M.*, 26, p. 440] is common in Czechoslovakia, especially under favourable conditions of humidity and temperature [*ibid.*, 27, p. 212]. Epidemics can be expected after relatively mild winters followed by warm springs without late frosts, and wet summers with average daily temperatures of 20° to 25° C. Based on the incidence of the disease during the 1937 to 1948 period, the sugar beet districts were divided into four groups with the following recommended control measures. (1) Should the disease occur in districts where it has not previously occurred the affected leaves should be immediately destroyed; (2) in regions with isolated cases, the diseased leaves and debris should be destroyed, and weeds eliminated; (3) where there is medium incidence additional measures should include spraying or dusting with copper preparations immediately after the first symptoms appear, a three-year crop rotation at least, wider spacing, and choice of more suitable plots; (4) where the disease occurs regularly preventive sprays should be employed in addition, and resistant varieties grown, if found satisfactory. Most of the introduced resistant varieties develop partial infection in Czechoslovakia.

DRACHOVSKA-SIMANOVA, M. Czechoslovakia CA:47:11778

with V. SAZAVSKY, K. SANDERA

"Causes of an explosion in an evaporator after the campaign."

Listy Cukrovar. 66, 118-20(1949-50); Sugar Ind. abstr. 12, 61(1950)

DRACHOVSKA-SIMANOVA, M.

Losses due to virus diseases of sugar beet in Czechoslovakia. M. Drachovska-Šimanová. *Ochrana Rostlin* 23, 355-60(1950); *Biol. Abstr.* 26, 452-3(1952); cf. *C.A.* 48, 7323a.—Field expts. with sugar beet mosaic and yellows, conducted over a 3-year period, are summarized. In Czechoslovakia the yellows virus causes an av. yield depression of 16% and an av. reduction of sugar content of 0.6%. The sugar beet mosaic, which is more common, causes a loss of 28% in yield and 0.7% in sugar content.

A. M. M.

DRACHOVSKA-STEANOVA, M., SANDERA, K.

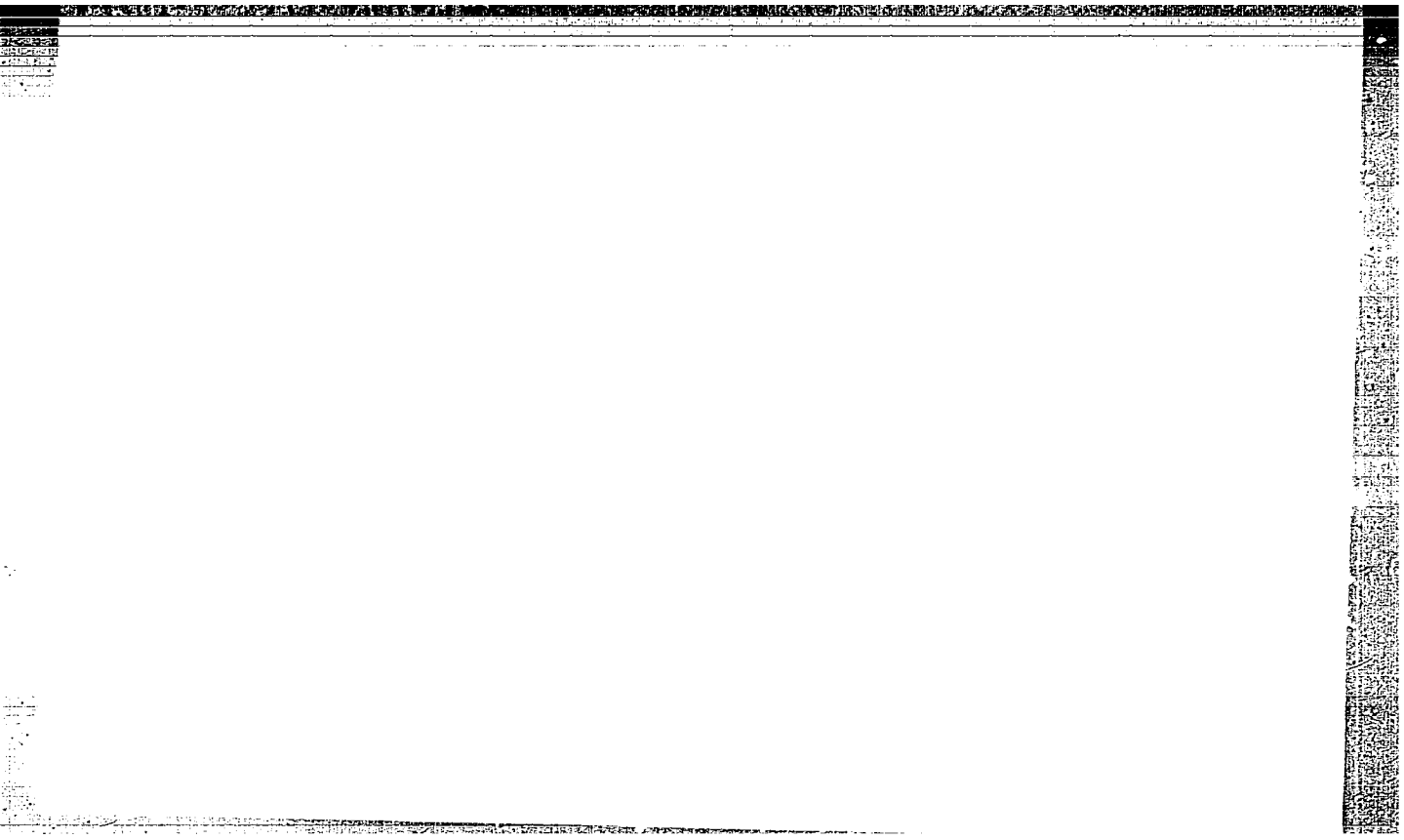
"Protecting Beets Stored in Piles During a Prolonged Operation in Sugar Mills" p. 918, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 2, No. 8, August 1952, Praha, Czechoslovakia).

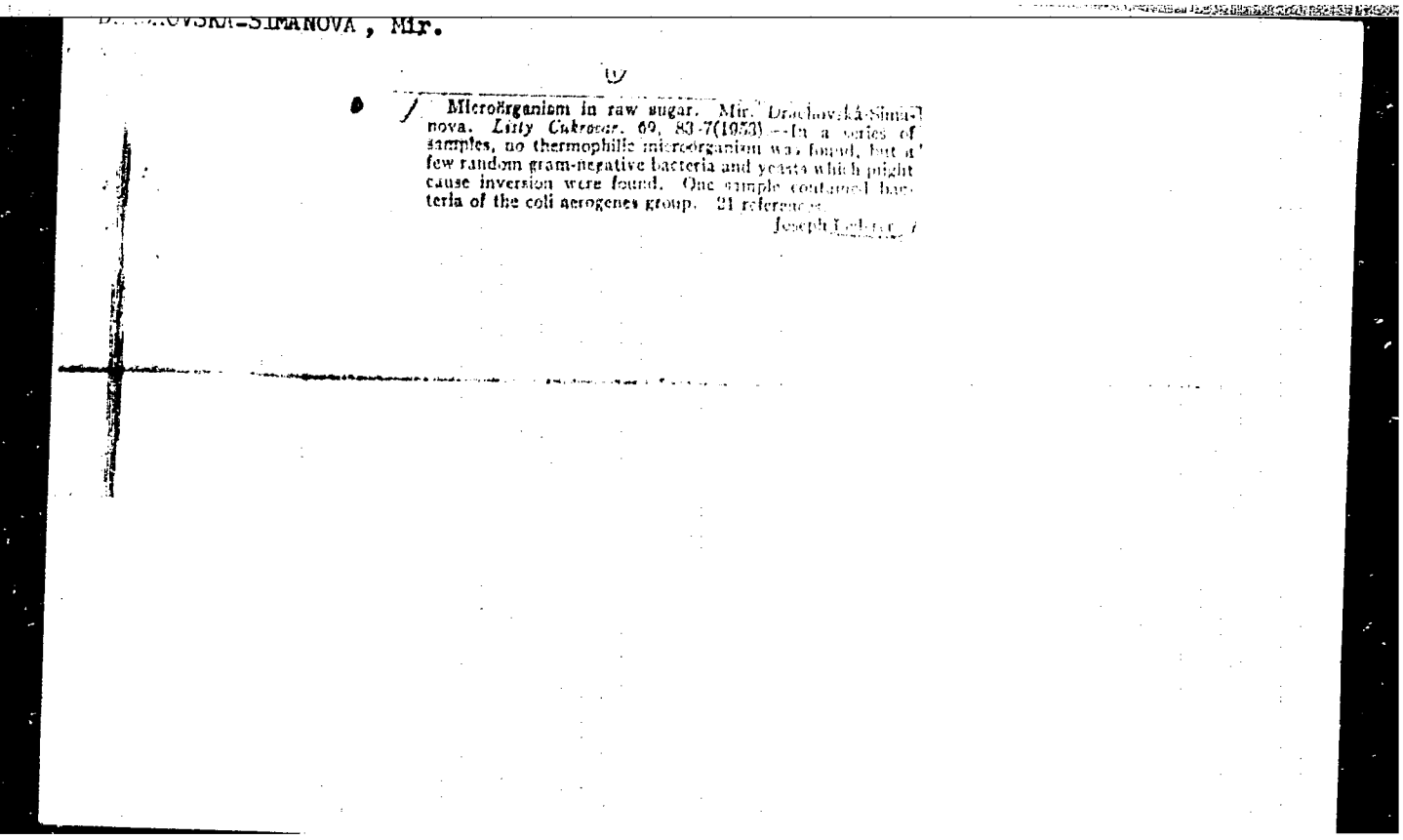
SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

[illegible]-[illegible], [illegible]

"The Occurrence Of Sugar-Beet Moth ([illegible] Boyd.) In Slovakia." p. [illegible]3. (Zoologicke A Entomologicke Listy. Vol. [illegible], No. [illegible], 195[illegible], Praha.)

SO: Monthly List of East European Accessions, Vol. [illegible], No. [illegible], Library of Congress, March 195[illegible], Uncl.





...OVSKA-SIMANOVA, Mir.

Microörganism in raw sugar. Mir. Drachovská-Simanová. *Listy Cukrovar.* 69, 83-7(1953).—In a series of samples, no thermophilic microorganism was found, but a few random gram-negative bacteria and yeasts which might cause inversion were found. One sample contained bacteria of the coli aerogenes group. 21 references.

Joseph Lehar

DRACHOVSKA-SIMANOVA, Miroslava

DRACHOVSKA-SIMANOVÁ (M[IROSLAVA]). **Virové choroby Cukrové Řepy.** [Virus diseases of Sugar Beet.]—*Preslia* (formerly *Studia bot. čechosl.*). **24**, 2, pp. 113-188, 8 pl., 1 graph, 1 map, 1953. [Russian and English summaries.]

Review of Applied Mycology
Vol. 33 Mar. 1954

In this detailed survey of the most important viroses of sugar beet in Czechoslovakia [*R.A.M.*, 30, p. 553] it is stated that between 1916 and 1952 ten types of yellows were detected, though it is not assumed that they are all due to different strains of beet yellows virus [loc. cit.], but rather to various environmental influences on and host reactions to the virus. Eight main symptom types of beet mosaic virus [loc. cit.] were discerned, some occurring concurrently on the same plant; it was again very widespread, the average loss of yield caused by the disease from 1949 to 1951 being 16 per cent. and for yellows 25 per cent. In 1950 and 1951 five types of leaf deformity, including leaf curling reminiscent of curly top, were noticed. Descriptions are given of two new diseases, 'sterile curly top' of seedlings and 'sterile spinach form' or stunting of seed plants. Albication [? chlorosis] does not appear to be of virus origin.

An approximate correlation was established between the widespread distribution of aphids (*Aphis fabae*) and virus incidence. The migratory aphids which colonize stecklings in the autumn appear to be the most dangerous [see preceding abstracts].

In inoculation experiments yellows symptoms did not appear on shaded parts of the leaf. No antagonism was observed between virus diseases and fungi on beet leaves but usually their harmfulness was increased by association, *Peronospora schachtii* [C.M.I. map No. 28] being the only exception. It is of the utmost importance to leave a minimum distance of 1,000 to 1,500 m. between seed plants and stecklings and commercial sugar beets. Higher yields and lower polarization were characteristic of beets from seed cultivated for two years at higher altitudes. The use of stecklings from regions with smaller aphid populations and the production of seed at higher altitudes are not recommended and should be practised only when it is not possible to check the spread of virus diseases by the normal control methods or to allow 1,000 m. between the crop and an infection source.

A spray of 0·75 per cent. pestox 3 gave good control of the vectors, though before dying they could still transmit mosaic more than yellows. There is a bibliography of 575 titles.

DRACHOVSKA-SIMANOVA, M.

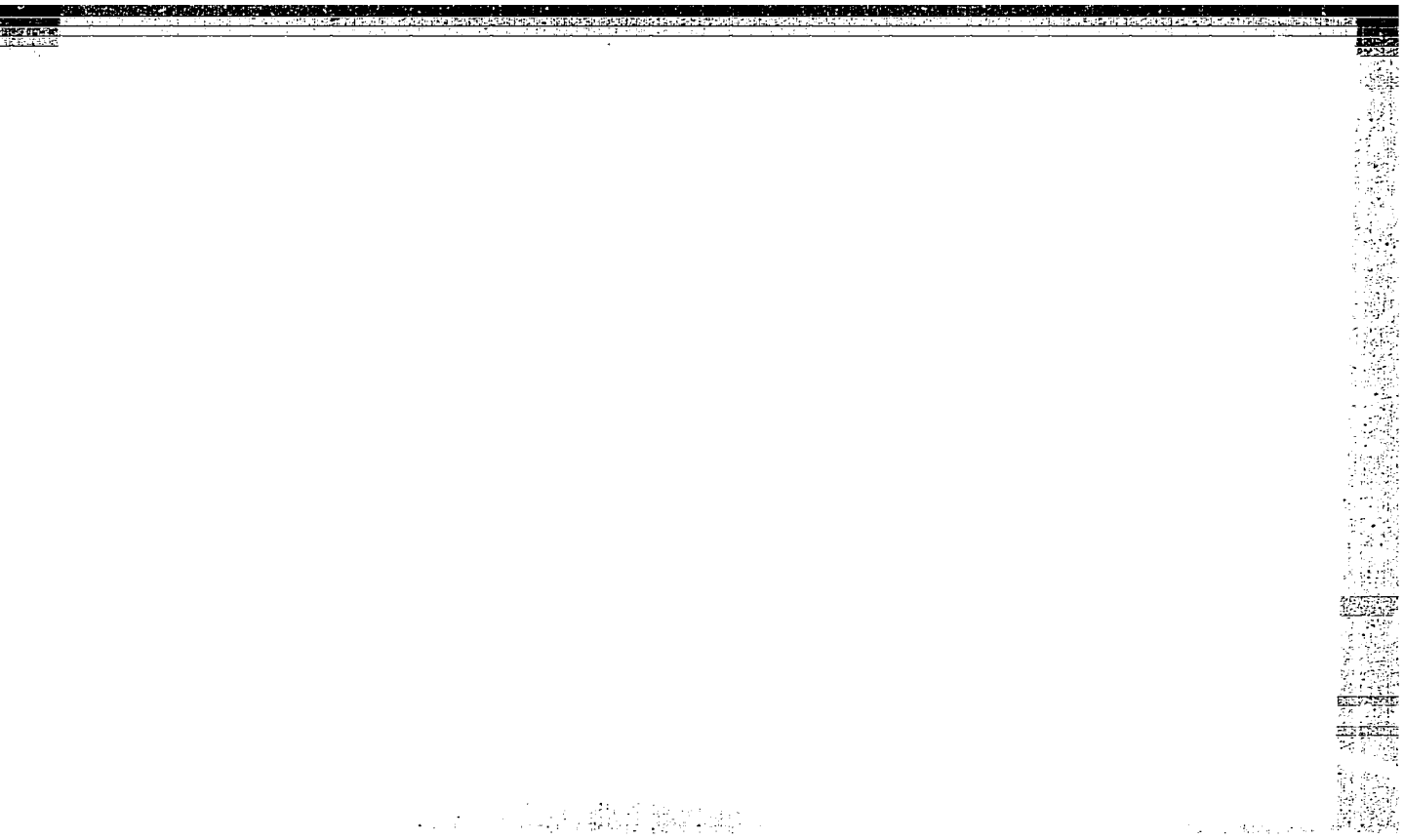
"Research on Sugar-Beet Varieties with Reference to Their Susceptibility to Cercospora Leaf Spot." p. 549. (SBORNIK. ANNALS. RADA A., Vol. 26, no. 6, Dec. 1953, Praha, Czechoslovakia)

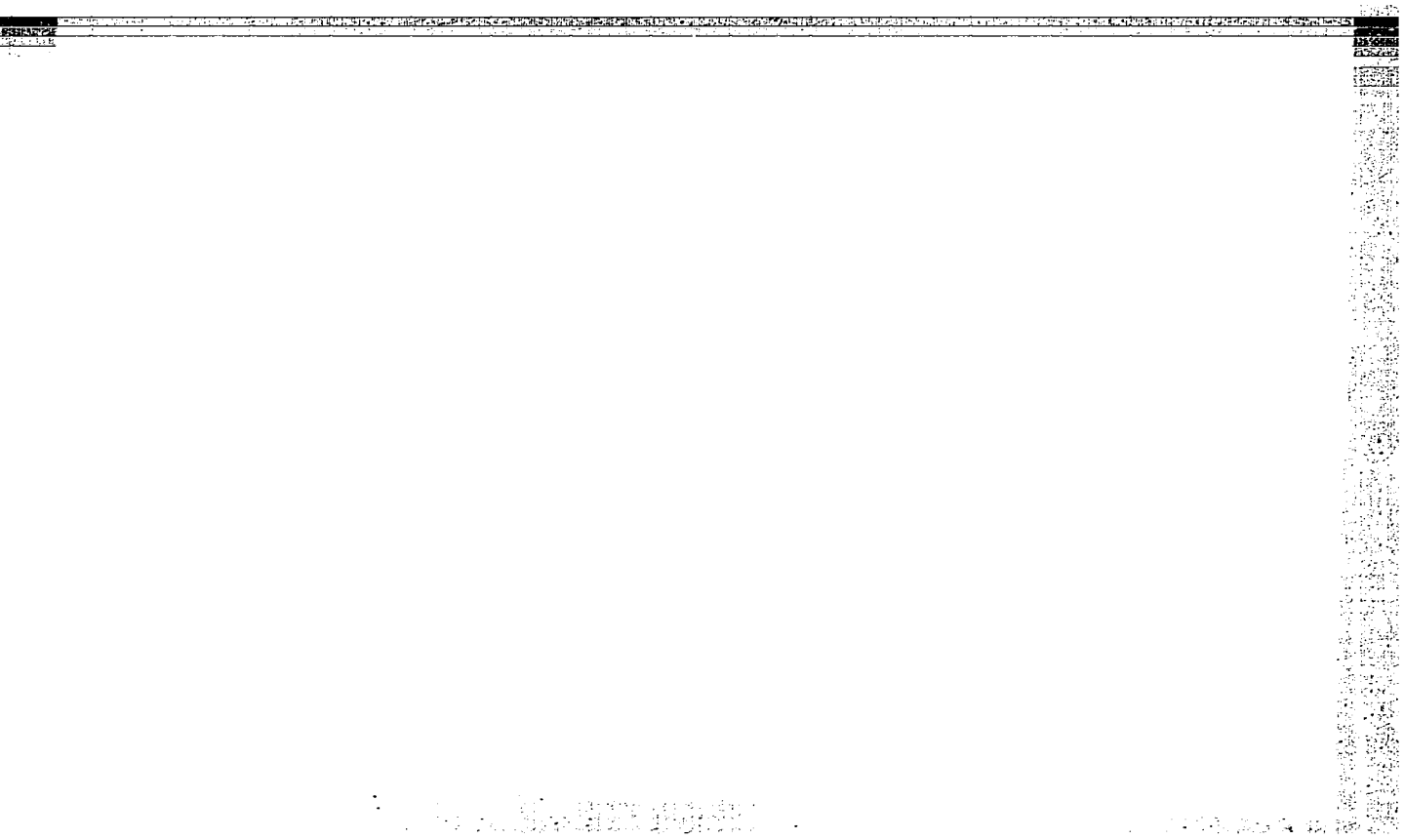
So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

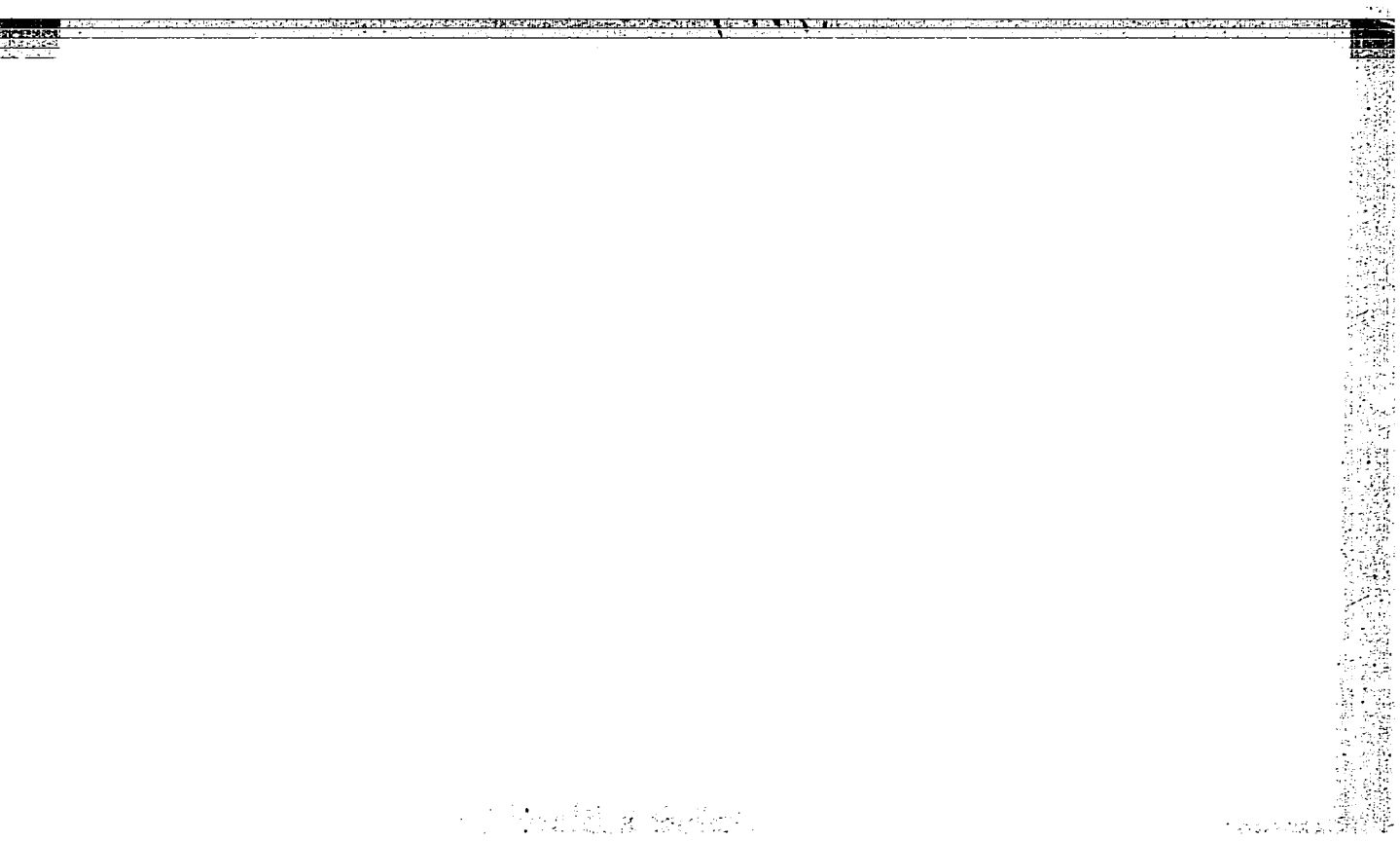
DRACHOVSKA, M.

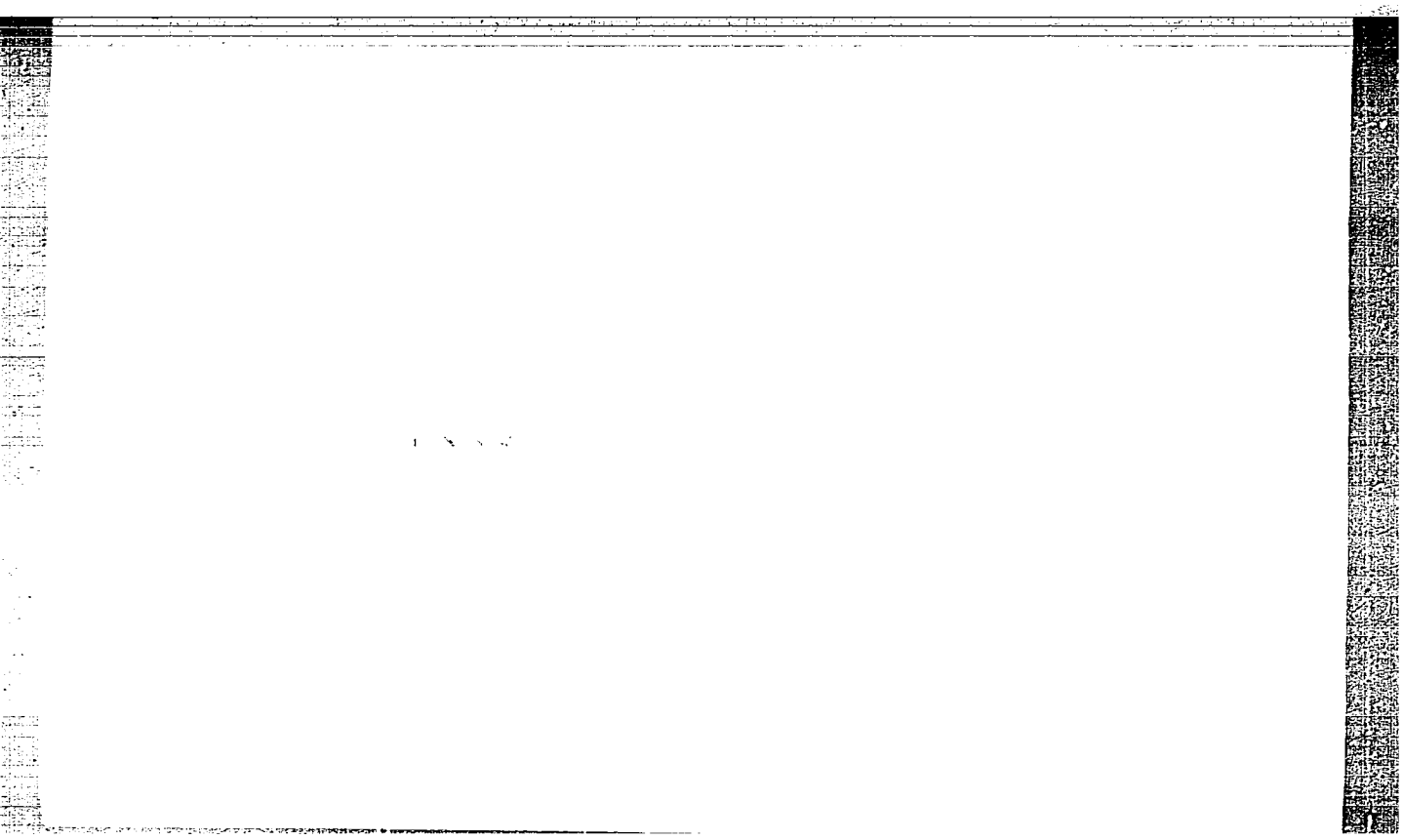
"Biological protection of plants, p. 431. (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 3, no. 4, Apr. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol. 2, # 10 Library of Congress October 1953, Uncl.









DAKOVSKI-SLAKOV, K.

"Using boron to improve the quality of sugar beets."
Sbornik. Annals. Rada B., Praha, Vol 27, No 1, Feb 1954, p. 53

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

DRACHOVSKA-SIRANOVA, K.

"Negative selection of sugar-beet seedlings and seed plants."
Sbornik. Annals. Rada B., Praha, Vol 27, No 1, Feb 1954, p. 139

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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"Standards for Sugar Beets upon Delivery, Taking into Consideration Mechanized Harvesting and Transportation", P. 707, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

DRACHOVSKA, M.; SANDERS K.

"Remarks on the mechanized harvesting of sugar beets and cutting of beet leaves by the so-called Pommritz method," p.717, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

DRACHOVSKA-SIMANOVA, MIROSLAVA.

Repne virosy a jejich prenaseci. (Monografie o virovych chorobach repy s ohledem na potreby praxe i vedy) [Vyd. 1.] Praha, Statni zemedelske nakl., 1955. 198 p. [Beet viruses and their carriers; virus diseases of beets with special reference to the necessity of the knowledge of them in practice and science. 1st ed. illus. (Part col.), bibl.]

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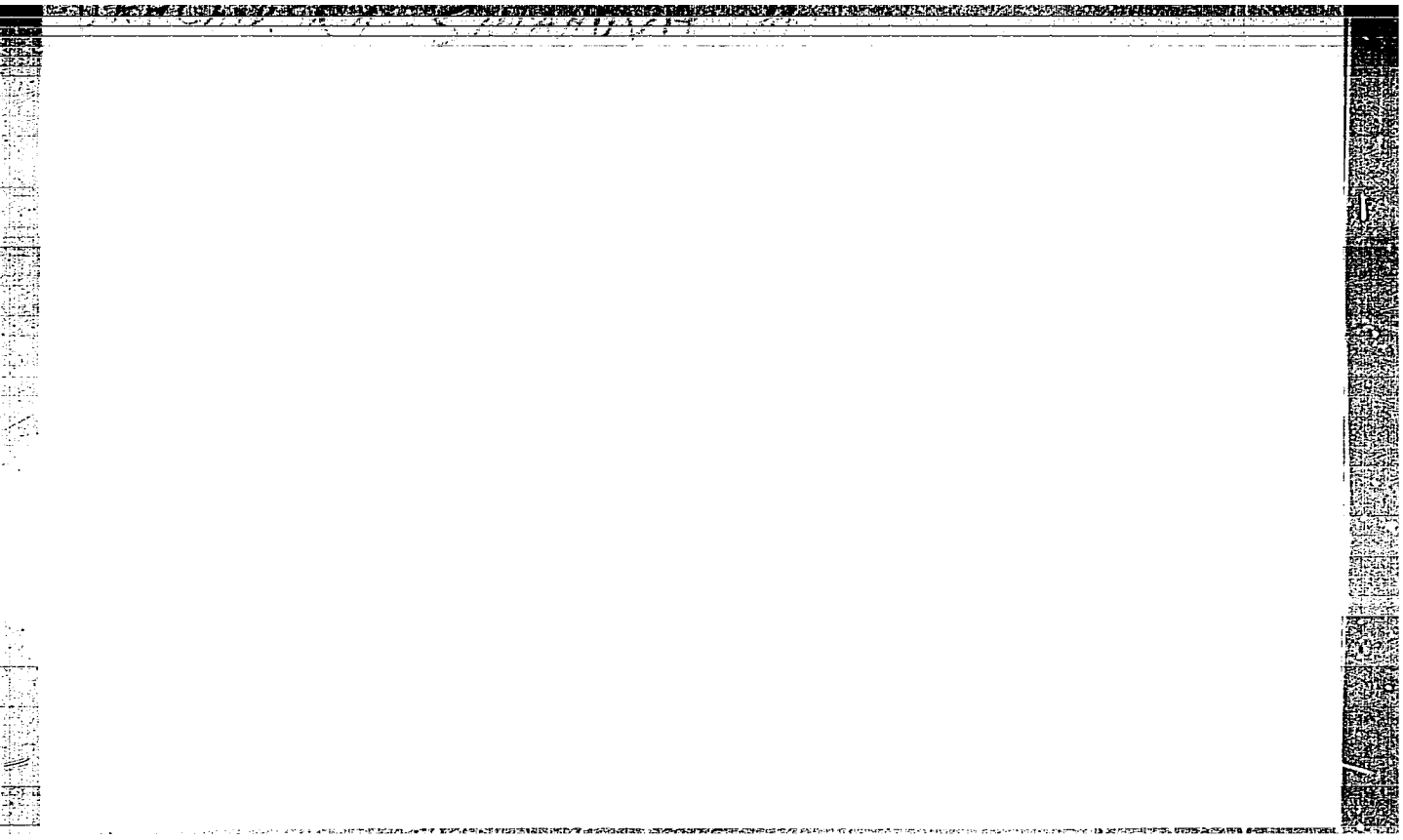
SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.



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PRUMYSL POTRAVIN
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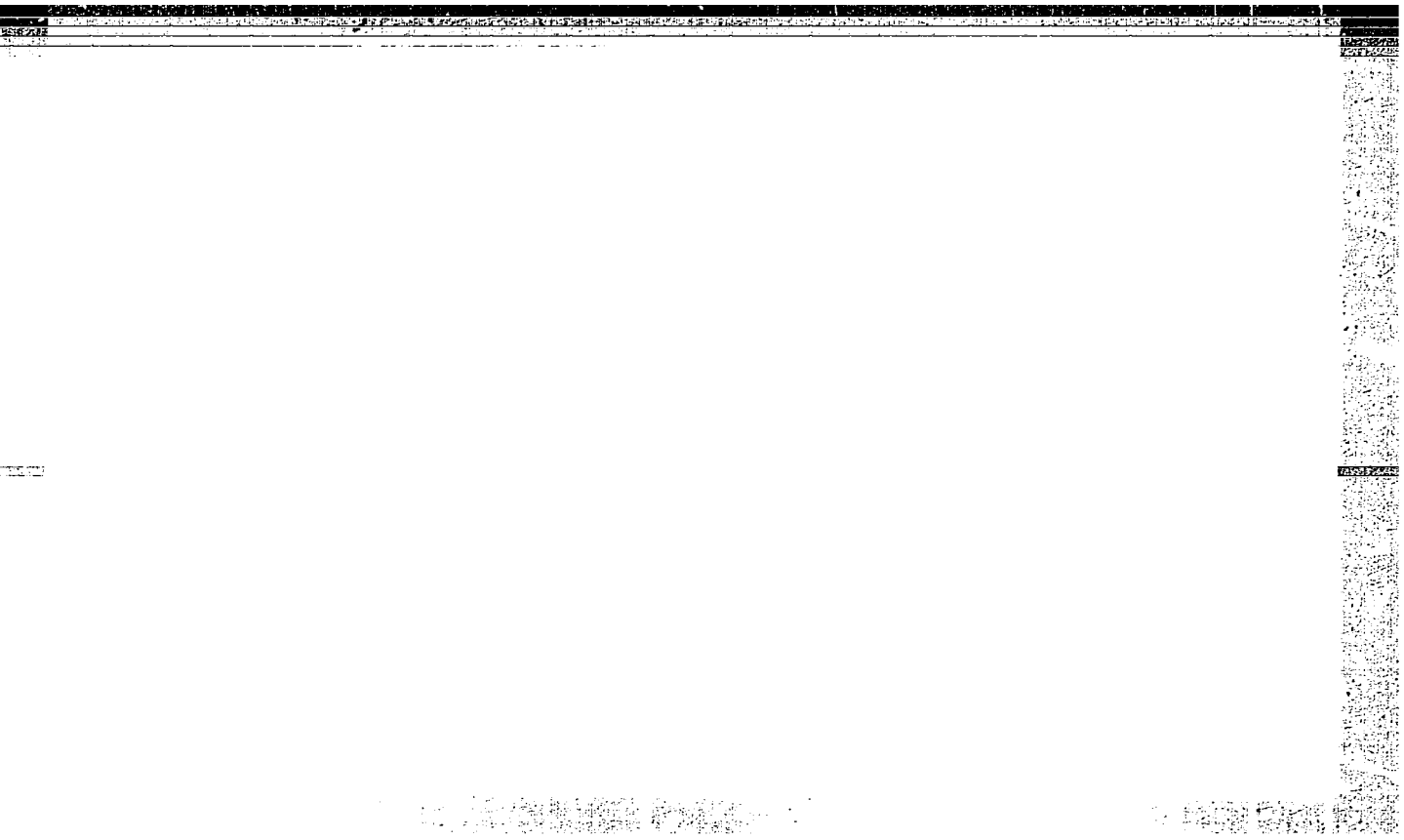
So: Monthly List of East European Accessions (EEAL), LC, VOL. 5, no. 3
March 1956



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Fysiologie cukrovky. (1.vyd.)

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TECHNOLOGY

Periodicals: PRZEMYSL SPOZYWCZY. Vol. 12, no. 9, Sept. 1958

DRACHOWSKA, M.; SANDERA, K. The application of the membrane conduction method in biology. p. 367.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

H

COUNTRY : POLAND
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Fermentation Industry.
ABS. JOUR. : RZKhim., No. 23 1959, No. 83778

AUTHOR : Sandera, K.; Drachowska, M.
INST. : -
TITLE : Application of Membrane Conductometry in the Technology.

ORIG. PUB. : Przem. spozywczy, 1958, 12, No 10-12, 395-398

ABSTRACT : Investigations of conductivity were found Applicable to characteristics of membranes made of high molecular weight substances in the studies of newest packing materials for the control of changes occuring within and in the establishment of dependency on their chemical composition, preparation methods, and storage conditions. Bioconductometrical measurments are applicable to the investigation of measurments themselves, occuring in inorganic solutions, aging of the gels and colloid

CARD: 1/2

DRACHUK, A.V.

Device for the adjustment of the grinding wheel along the radius. (MIRA 15:7)
Stan.i instr. 33 no.6:39 Je '62.
(Grinding wheels)

DRACHUK, A.V.

Structural parameters of a broach for broaching screw slots.
Stan. i instru. 36 no.1:29-31 Ja '65. (MIRA 18:4)

MITROFANOV, B.M.; DRACHUK, I.N., red.

[Testing of a steam generator and its components in the Thermal Electric Power Plant of the V.I.Lenin Power Engineering Institute in Moscow] Ispytaniia parogeneratora i ego elementov na TETs MEI. Moskva, Vysshaia shkola, 1964. 68 p. (MIRA 17:12)

1. Moscow. Energeticheskiy institut.

POD"YAKONOV, Vladimir Sergeyevich, dots., kand. tekhn. nauk;
DRACHUK, I.N., red.

[Assembling large-panel apartment houses] Montazh krupnopanel'nykh domov. Moskva, Vysshaia shkola, 1964. 186 p.
(MIRA 18:2)

DRACHUK, P.M.

Phenomenon of tilting of material bodies during earthquakes.
Izv.Otd.est.nauk AN Tadzh.SSR no.9:69-81 '55. (MLRA 9:10)

1. Institut seysmologii AN Tadzhikskoy SSR.
(Earthquakes and building)

15-57-4-4956

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4, p 131 (USSR)

AUTHOR: Drachuk, P. M.

TITLE: Adobe Brick and Broken Stone Used as Building Materials in Tadzhik SSR Seismic Areas (Syrtsovyy kirpich i rvanyy kamen' kak stenovyye materialy v seysmicheskikh rayonakh Tadzhikskoy SSR)

PERIODICAL: Tr. koordinats. soveshchaniya po seysmostoyk. str-vu. 1954, Yervan, AN ArmSSSR, 1956, pp 47-57

ABSTRACT: The author believes it possible to use adobe brick for walls of buildings in areas with a seismic intensity of eighth degree. Broken stone may be used for walls of one-story buildings even in zones with seismic intensity of ninth degree, providing the walls are sufficiently thick and a good grade of mortar is used.

No name

Card 1/1

PEREPELITSIN, S.G.; DRACHUK, P.M.

Inspection for observance of specifications and regulations in earthquake areas. Trudy Inst.seism.stroi. i seism. 8:102-109 '60. (MIRA 15:3)

(Earthquakes and building)

DIACHUK, P.S.

A case of Mondor's disease. Nov.khir.arkh. no.3:114 My-Je '59.
(MIRA 12:10)

1. Stalinskiy nauchno-issledovatel'skiy institut travmatologii i ortopedii.

(PHLEBITIS)

DRACHUK, P.S.

Dislocation of the semilunar and navicular bones. Ortop.travm. i protez. 20 no.7:63-64 Jl '59. (MIRA 12:10)

1. Iz Stalinskogo nauchno issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk T.A.Revenko).
(WRIST fract. & disloc.)

DRACHUK, P. S., Cand Med Sci -- "Fractures of the pelvic bones without injury to the pelvic organs in miners." Stalino, 1961 (Stalino State Med Inst im A. M. Gor'kiy) (KL, 8-60, 260)

DRACHUK, P.S.

Case of Grisel's disease. Nov. khir. arkh. no.5:118 S-O '60.
(MIRA 14:12)

1. Stalinskiy nauchno-issledovatel'skiy institut travmatologii, ortopedii i protezirovaniya.
(NECK--DISEASES)

DRACHUK, P.S.

Fractures of the bones of the pelvis without injury to the internal organs in miners. Ortop.,travm.i protez. no.12:35-40 '60. (MIRA 14:2)

1. Iz Stalinskogo nauchno-issledovatel'skogo instituta travmatologii, ortopedii i protezirovaniya (dir. - kand.med.nauk T.A. Rezenko).
(PELVIS—FRACTURE) (MINERS—DISEASES AND HYGIENE)

DRACHUK, P.S., nauchnyy sotrudnik

Care for patients with pelvic fractures. Med.sestra 19 no.8: 31-33 Ag '60. (MIRA 13:7)

(PELVIS--FRACTURE)

DRACHUK, P.S.

Chondromatosis and arthrosis deformans of the hip joint. Ortop. travm.i protez. 21 no.6:68-69 Je '60. (MIRA 13:12)
(HIP JOINT—TUMORS) (ARTHRITIS, RHEUMATOID)

DRACHUK, P.S., nauchnyy sotrudnik

Roentgenography of the anterior semicircle of the pelvis. Vest. rent. i rad. 35 no. 2:82-83 Mr-Ap '60. (MIRA 14:2)

1. Iz Stalinskogo nauchno-issledovatel'skogo instituta travmatologii, ortopedii i protezirovaniya (direktor - kand.med.nauk T.A. Revenko).
(PELVIS--RADIOGRAPHY)

DRACHUK, P.S.

Case of severe combined lesion. Ortop., travm.i protez. no.9: 57-59 '61. (MIRA 14:10)

1. Iz Stalinskogo nauchno-issledovatel'skogo instituta travmatologii, ortopedii i protezirovaniya (dir. - kand.med.nauk T.A. Revenko).

(WOUNDS AND INJURIES)

DRACHUK, P.S. (Donetsk, Universitetskaya ul. d. 55, kv. 58)

Traumatic asphyxia. Ortop. travm. i protez. 24 no.6:47-49 J'63 (MIRA 16:12)

1. Iz Donetskogo instituta travmatologii i ortopedii (dir. - starshiy nauchnyy sotrudnik T.A.Revenko).

DRACHUK, P S., kand. med. nauk

Total tuberculosis of the patella. Probl. tub. no.7:78-79 '63.
(MIRA 18:1)

1. Iz Donetskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (direktor - kand. med. nauk T.A. Revenko).

DRACHUK, P.S., kand.med.nauk

Caries carnosa. Probl. tub. 41 no.10:85-86 '63. (MIRA 17:9)

1. Iz Donetskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk T.A.Revenko).

DRACHUK, P.S. (Donetsk, Universitetskaya ul. d.55, kv.58.)

Late results of treatment of fractures of the pelvic bones in miners. Vest. khir. 91 no.11:57-60 N '63. (MIRA 17:12)

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DRACHUK, V., starshiy tekhnik-leytenant

The ranks of innovators are increasing. Komm. Vooruzh. Sil 46 no.7:58 Ap '65. (MIRA 18:5)

CZECHOSLOVAKIA/Electronics - Gas Discharge and Gas Discharge Apparatus H-7

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 8727

Author : Drocik Jiri
Inst :
Title : The Time Dependence of the Temperature of an Electron of a Low Pressure Discharge for a Change in the Voltage of the Source

Orig Pub : Chekhosl. fiz. zh., 1958, 8, No 3, 341-348

Abstract : See Referat Zhur Fizika, 1959, No 3, 6195

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FISCHER, O.; DRACKA, O.

Study of reaction kinetics of electrode processes by means of electrolysis with a constant current. I. Study of dismutation of ions of a quinquevalent uranium. In German. Coll.Cz.Chem. 24 no.9:3046-3056 S '59. (EEAI 9:5)

1. Physikalisch-chemische Abteilung der Pharmazeutischen Fakultat. und Institut fur theoretische und physikalische Chemie, Masaryk-Universitat, Brno. Jetzige Adresse: Institut fur Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften Brno.(for Dracka).
(Electrodes) (Electrolysis) (Ions) (Uranium)

DRACKA, O.

Study of reaction kinetics of electrode processes by means of electrolysis with a constant current. II. Theory of retarded diffusion and first-order reactions in an adsorved layer on the electrode surface. In German. Coll.Cz.Chem. 24 no.11:3523-3537 N '59. (MEAI 9:5)

1. Institut fur Hydrodynamik, Tschechoslowakische Akademie der Wissenschafte, Brno.
(Electrodes) (Electrolysis) (Diffusion)

FISCHER, O.; DRACKA, O.; FISCHEROVA, E.

Study of the kinetics of electrode processes by means of electrolysis with a constant current. V. Bimolecular irreversible chemical reoxidation of a depolarization product. Coll Cz chem 26 no.6:1505-1519 Je '61.

1. Institut fur physikalisch-analytische Chemie und Institut fur theoretische und physikalische Chemie, Brno. 2.Jetzige Addresse: Institut fur Hydrodynamik, Tschechoslovakische Akademie der Wissenschaften, Prag.(for Dracka).

(Oxidation)

DRACKA, O.

The theory of polarization currents in electrostatic repulsion of depolarizers in double layer. Coll Cz Chem 26 no.8:1999-2014 '61.

1. Institut fur Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften, Brno.

FISCHER, O.; DRACKA, O.

Examination of the kinetics of electrode processes by means of electrolysis under constant current. Part 8: Kinetic phenomena in formation of adsorbable salts on mercury. Coll Cz Chem 27 no.12:2727-2743 D '62.

1. Institut fur theoretische und physikalische Chemie, Purkyne Universitat, Brno und Institut fur Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften, Brno.

DRACKA, O.

CZECHOSLOVAKIA

DRACKA, O.

Institut of Hydrodynamics of the Czechoslovak Academy of Sciences (Institut für Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften), Prague

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1963, pp 3194-3204

"Study of the Kinetics of Electrode Processes with the Help of Electrolysis with Constant Current. IX. Monomolecular Inactivation of the By-Products with Two-Phased Depolarization."

FISCHEROVA, E.; DRACKA, O.; FISCHER, O.

Polarographic behavior of some chromium complexes. Pt.3. Coll Cz Chem 30 no.1:10-27 Ja '65.

1. Institut fur theoretische und physikalische Chemie, Purkyne Universitat, Brno, und Institut fur Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften, Prague. Submitted October 8, 1963.

BRATANOV, B.; VENEDIKOV, I.; GEORGIEV, K.; GIZOV, G.; DRACOV, G.; KOLAROV, S.
TSONCHEV, V.

Distribution of rheumatism among students in Bulgaria in 1960-1961. Suvr. med. (Sofiia) 15 no.2 86-22 '64

DRACZKOWSKI, Jan, Kpt. z. w. (Gdynia)

Value of the Krynica type vessels on the North American Line.
Tech gosp morska 12 no.12:360-362 D '62.

DRACZKOWSKI, Jan, Kpt. z.w.

Technical operation of the motorship "Ojcow." Tech gosp morska 13 no.6:172-175 Je '63.

1. Polskie Linie Oceaniczne, Gdynia.

DRACZYNSKI, Waclaw

POLAND

DRACZYNSKI, Waclaw

Department of Geophysics of the Geological Institute (Zaklad Geofizyki Instytutu Geologicznego)

Warsaw, Kwartalnik Geologiczny, No 3, 1963, p 507.

"Attempt to Use Magnetic Method to Make Maps of Sedimentary Rocks".

DRACZYNSKI, Waclaw

Experiment in using magnetic survey for mapping the sedimentary rocks in the Checiny region. Przegl geol 11 no.4:205-209 Ap '63.

1. Instytut Geologiczny, Warszawa.

RUMANIA/Chemical Technology. Chemical Products andTheir Application. Ceramics. Glass. Binders. Concrete. H-13

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44113.

Author : Dradhicescu C.
Inst :
Title : The Export of Rumanian Cement.

Orig Pub: Standardizarea, 1957, 9, No 9, 433-434.

Abstract: No abstract.

Card : 1/1